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ABSTRACT

This report provides a summary of enrollment projections for the University of Hawaii (UH) system, which includes three university and seven community college campuses. The projections are statistical extrapolations of current trends in enrollment by campus, based on unduplicated headcounts of full-time and part-time students enrolled in regular session day or extended-daycredit courses. Included are students in programs leading to a bachelor's degree or higher, students in programs leading to associate degrees or certificates, and unclassified students. Historical data are included in the tables and charts to facilitate comparison and analysis. They were compiled from the Student Enrollment Reports, the Academic Crossover Studies and the Course Registration Reports. Findings show that the enrollment of regular students for the University of Hawaii measured 45,251 in Fall 1997, a 3.9% decline from Fall 1996 and the third consecutive year of decrease. For Fall 1998, UH system enrollment is forecast to decline slightly, to just over 45,000. This projection is somewhat lower than that made last year and takes into account the recent enrollment decline across the UH system. Recommendations are made in response to findings that the UH system will experience little or no overall growth in enrollments. (JJL)

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ED 433 073

ENROLLMENT PROJECTIONS

UNIVERSITY OF HAWAI'I

FALL 1998 TO FALL 2004

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ENROLLMENT PROJECTIONS
THE UNIVERSITY OF HAWAI'I
FALL 1998 TO FALL 2004

This report provides a summary of enrollment projections for the University of Hawai'i system: the University of Hawai'i at Mānoa, the University of Hawai'i at Hilo, the University of Hawai'i-West O'ahu, and the University of Hawai'i Community Colleges (Hawai'i, Honolulu, Kapi'olani, Kaua'i, Leeward, Maui, and Windward). Detailed data on the individual campuses may be found in the separate enrollment projections reports by unit, published annually by the Institutional Research Office as a part of the Management and Planning Support (MAPS) series.

The projections are statistical extrapolations of current trends in enrollment by campus. In general, they reflect neither planned changes in campus policies or procedures nor external socio-economic trends. In addition, these projections do not set enrollment targets or goals. They should be considered only as a first step in the planning and budgeting process, and as a signal to administrators and other interested individuals of what might occur given recent enrollment trends.

The enrollment projections are based upon unduplicated headcounts of full-time and part-time students enrolled in regular session day or extended-day credit courses. Included are students in programs leading to a bachelor's degree or higher, students in programs leading to associate degrees or certificates, and unclassified students. Excluded from the enrollment count are students taking courses in continuing education, senior citizen or community service center programs, or enrolled in apprenticeship or journeyworker programs. Special students (auditors, concurrent students and early admits) are also excluded.

Historical data are included in the tables and charts to facilitate comparison and analysis. They were compiled from the Student Enrollment Reports, the Academic Crossover Studies and the Course Registration Reports.

METHODOLOGY AND ASSUMPTIONS

The projections for undergraduates (freshmen through seniors) are broken down by registration status: first-time, transfer and continuing / returning students. Within each registration status category, enrollments are projected by educational level (freshmen through seniors) for UH-Mānoa, UH-Hilo, and UH-West O'ahu. For the UH Community Colleges, enrollments for each registration status category are projected by program area. Unclassified and graduate student enrollments are projected separately. The projections make use of continuation rates as well as various other ratios. The specific methods used may vary among units and from year to year. Detailed descriptions of the methods used and assumptions made in projecting enrollments by campus are found in the separate enrollment projections report published by unit (UH Mānoa, UH Hilo, UH-West O'ahu and the UH Community Colleges).

Projected enrollments for each campus and for the UH system total are summarized in Table 1 (see also Figure 1). Annual percentage changes in enrollment are shown in Table 2. Table 3 provides an enrollment index, useful for comparing across campuses, using Fall 1997 as the base year (Fall 1997=100). Enrollment indexes are illustrated for the UH system in Figure 2 and for each campus in Figures 4 to 14. Tables 4 and 5 project student semester hours (SSH) offered and full-time equivalent (FTE) course enrollments, respectively. Projected headcount enrollments by attendance status (full-time / part-time) are given in Table 6.

HIGHLIGHTS

Enrollment of regular students for the University of Hawai'i measured 45,251 in Fall 1997, a 3.9% decline from Fall 1996 and the third consecutive year of decrease (see Table 1 and Figure 1). ***For Fall 1998, UH system enrollment is forecast to decline slightly, to just over 45,000.*** These projections are somewhat lower than those made last year and take into account the recent enrollment declines across the UH system.

Historical headcount enrollment for the UH system from 1907 through 1997, along with projected enrollment through 2004, is illustrated in Figure 3. Enrollment grew slowly but steadily from the founding of the UH Mānoa campus in 1907 through 1960, when total UH system enrollment measured 7,771. Through the 1960s and into the early 1970s, enrollment boomed, increasing by more than twenty-fold from 1960 to 1975. From 1975 to 1989, enrollment held steady at around 43,000 students. From 1989 to 1994 enrollment grew by over 18%, reaching an historical peak of 51,380 in Fall 1994. Since then, total UH system headcount enrollment has declined 11.9% and in Fall 1997 stood at its lowest level this decade.

Enrollment at the **University of Hawai'i at Mānoa** measured 17,353 in Fall 1997, a 4.8% decrease from Fall 1996 and the fourth consecutive decline in fall enrollment. Enrollment is projected to decrease slightly in Fall 1998 to about 17,285 students.

Enrollment at the **University of Hawai'i at Hilo** measured 2,587 in Fall 1997, a 5.0% decline from Fall 1997 and the fourth consecutive decline in fall enrollment. Enrollment is expected to decrease slightly in Fall 1998 to about 2,576 students.

Enrollment at the **University of Hawai'i-West O'ahu** measured 648 in Fall 1997, a count identical to that registered in Fall 1996. Enrollment is projected to remain at or near this level again in Fall 1998.

Enrollment for the **University of Hawai'i Community Colleges** totaled 24,663 in Fall 1997, a 3.2% decline for the UHCC system from Fall 1996. Enrollment in Fall 1998 is expected to decline slightly, to near the 24,500 level. (See the enrollment projections report for the UH Community Colleges for more information about individual campuses.)

SUMMARY

In summary, enrollment in the University of Hawai'i system seems to be in a protracted phase of little or no overall growth. Enrollment in 1997 was only 4.0% higher than in 1975. The brief surge in enrollment experienced from 1980 to 1982 was followed by a return below the 43,000 level by 1986 (see Figure 3). Similarly, the brief increase in enrollment measured from 1990 to 1994 seems to be on its way back down. The reasons for these surges are not clear and merit further study.

The Hawai'i Department of Education has published forecasts of high school enrollment that indicate increased numbers of high schools seniors over the next decade. This conclusion is supported by estimates in the number of high school graduates for the State of Hawai'i forecast by the Western Interstate Commission for Higher Education (WICHE). If these increases materialize, the University of Hawai'i campuses could begin to experience a renewed upward trend in first-time student enrollment during the first decade of the next century. In subsequent years, increases in first-time students should boost enrollment levels across the UH system.

In any case, there should be no return in the foreseeable future to the kind of high growth in enrollment experienced in the 1960s and early 1970s. Higher education in the State of Hawai'i may be in a "mature" phase, where the relatively easy growth that came with the post-war population increase and economic prosperity has been achieved. Further growth or even maintaining current enrollment levels will depend upon careful management of the end product, tailoring the campuses and their course offerings to meet the needs of their local communities. A more competitive environment for higher education will require the University to respond to the marketing initiatives of other higher education institutions in the State, including those that take advantage of new technology. The prolonged economic stagnation in the State economy also requires the University to control costs, so that citizens who need higher education services can afford them. Finally, efforts to stimulate demand for services through strategic promotion and recruitment should be implemented.

Figure 1
Actual & Projected Headcount Enrollment

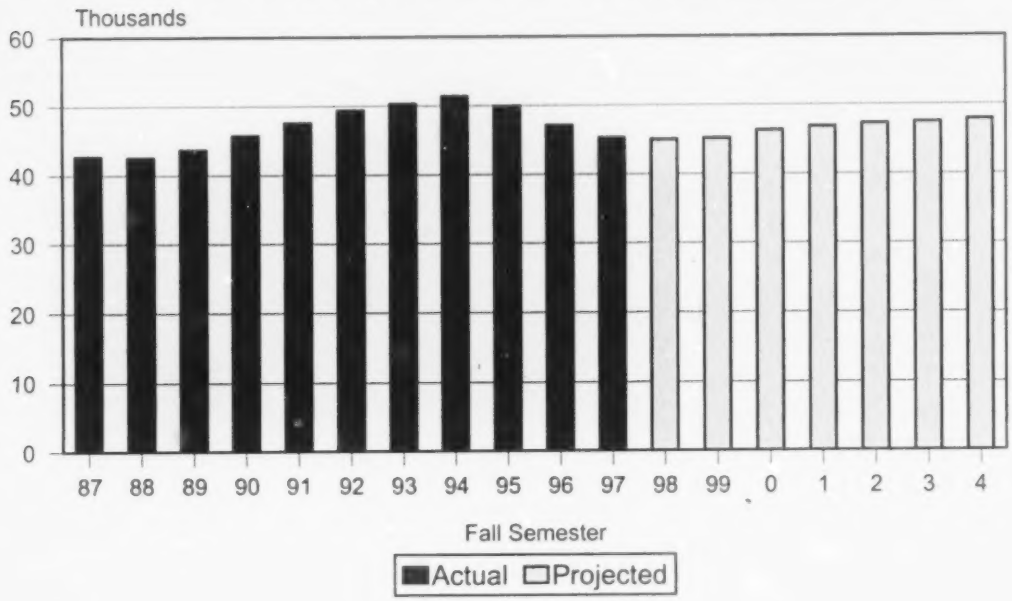

Figure 2
Enrollment Index

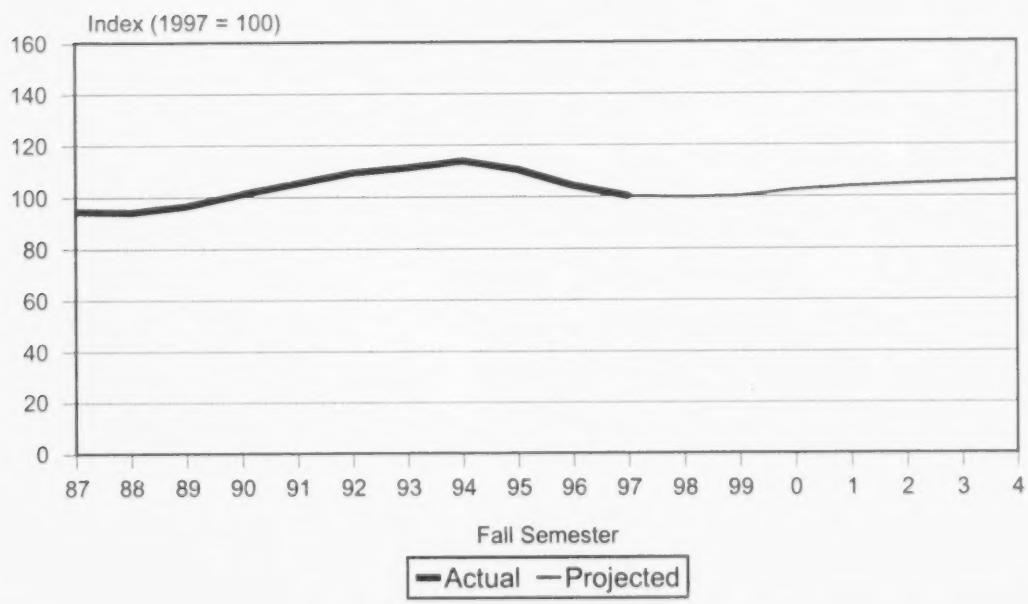

Figure 3
UH System Historical Headcount Enrollment

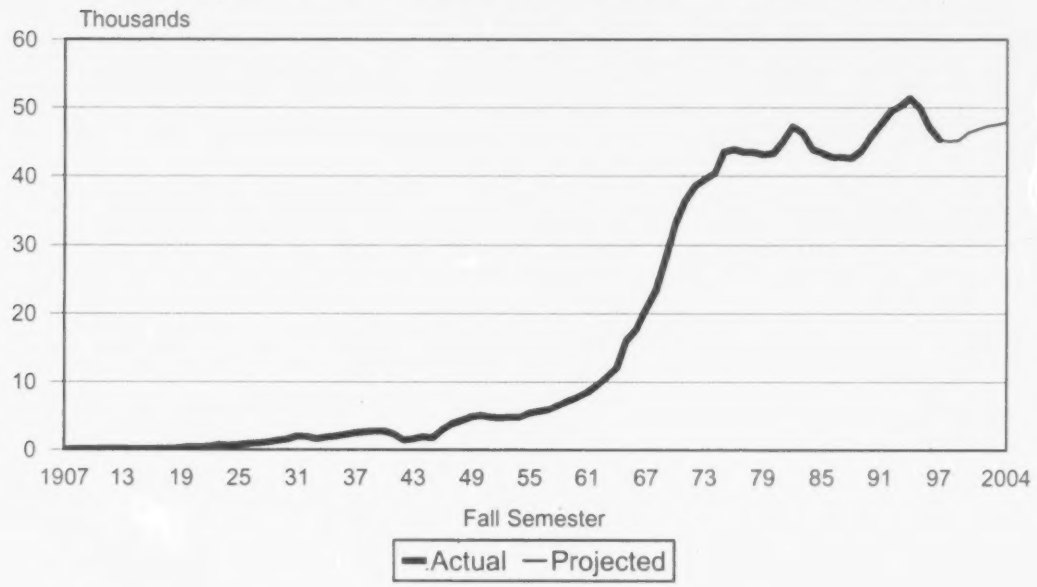

Figure 4
Enrollment Index - UH Manoa

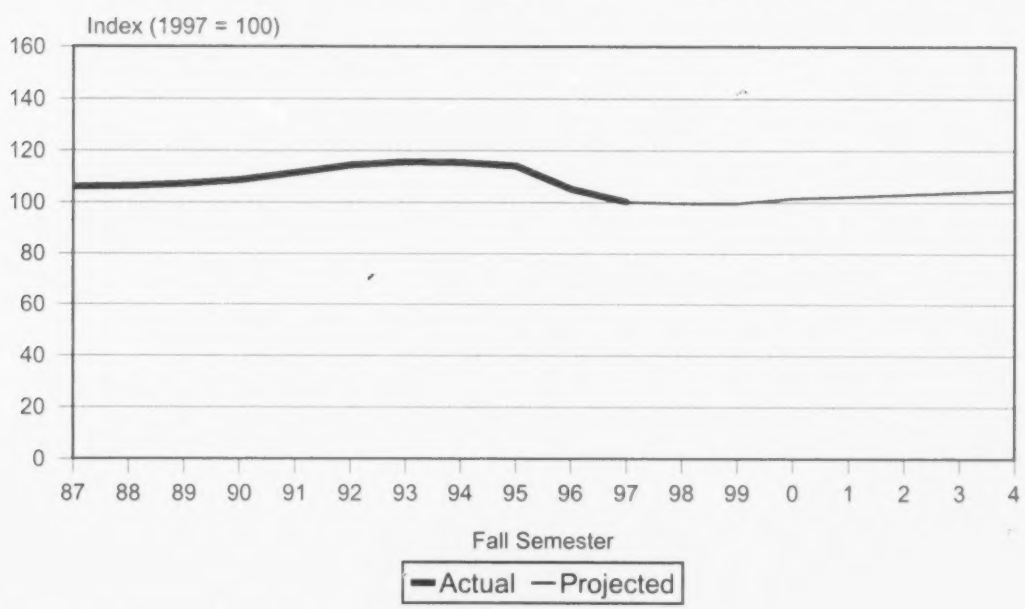

Figure 5
Enrollment index - UH Hilo

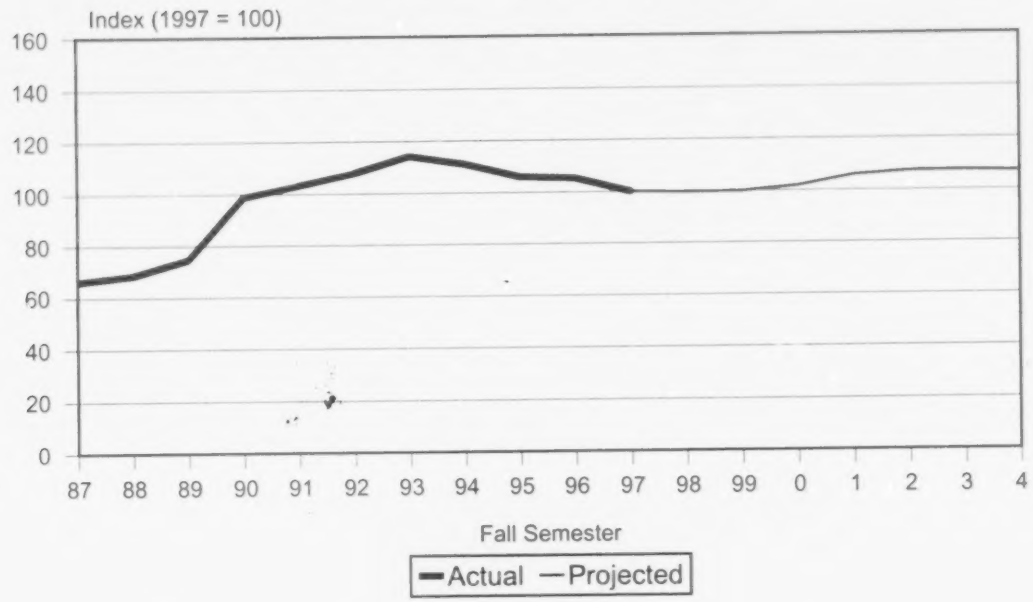

Figure 6
Enrollment Index - UH-West O'ahu

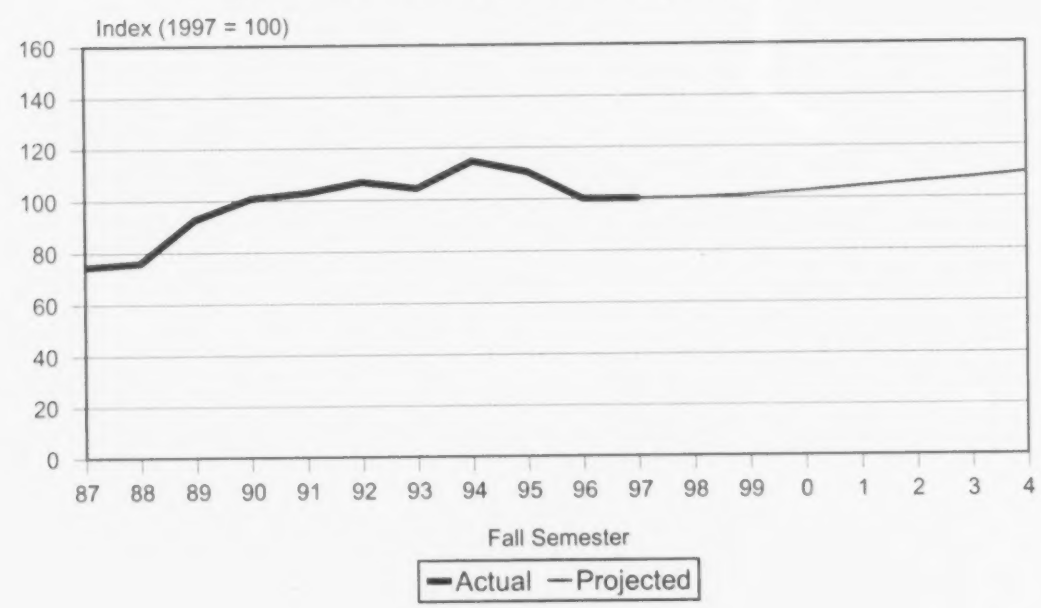

Figure 7
Enrollment Index - UH Community Colleges

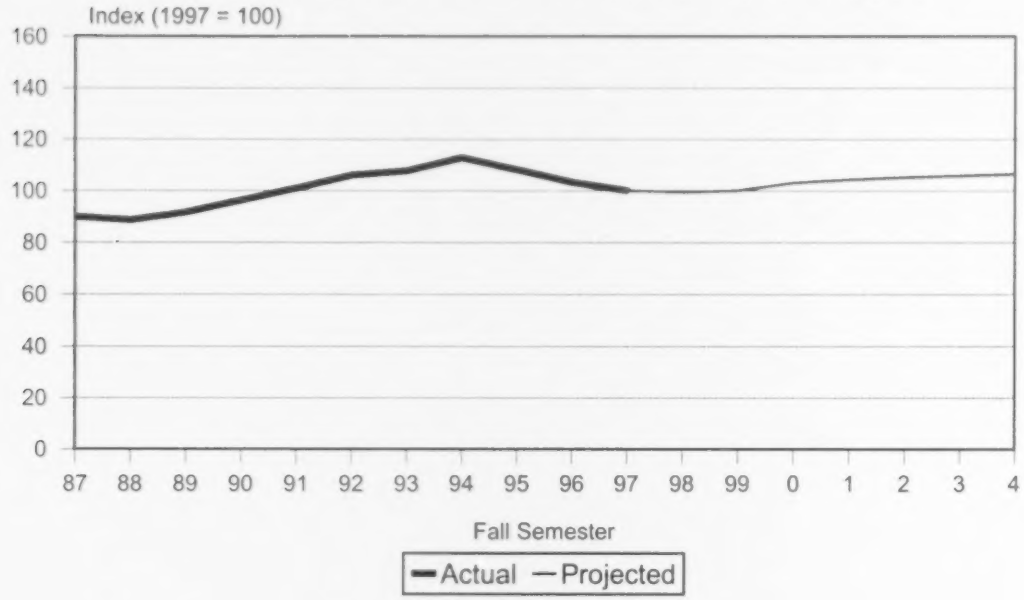

Figure 8
Enrollment Index - Hawai'i CC

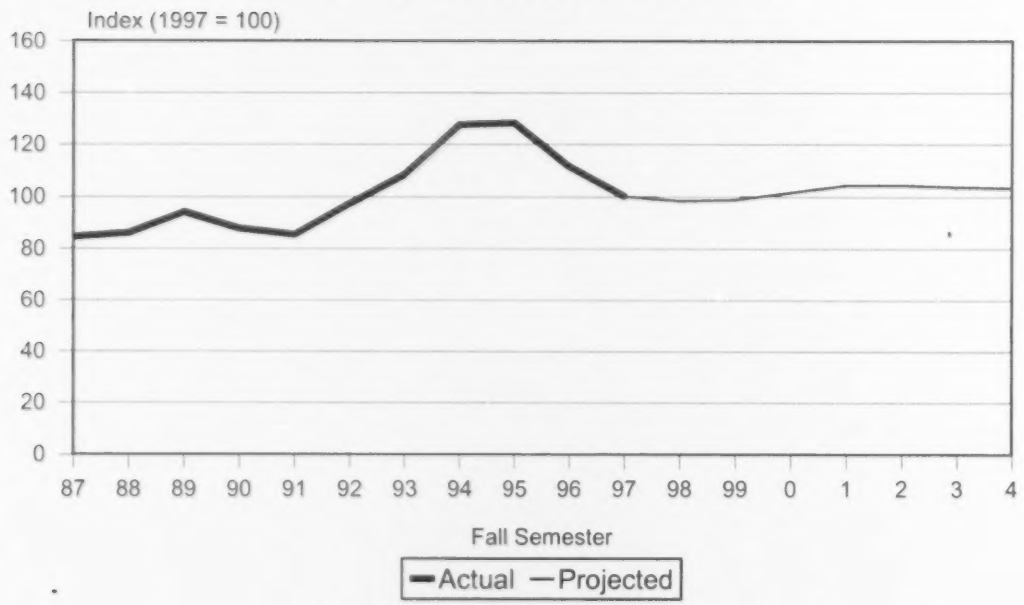

Figure 9
Enrollment index - Honolulu CC

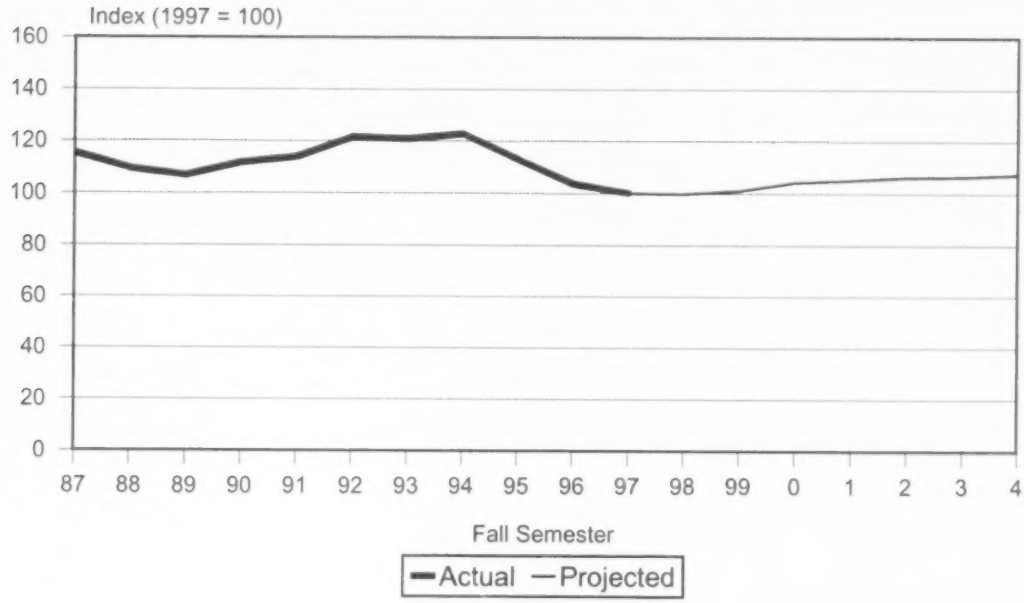

Figure 10
Enrollment Index - Kapi'olani CC

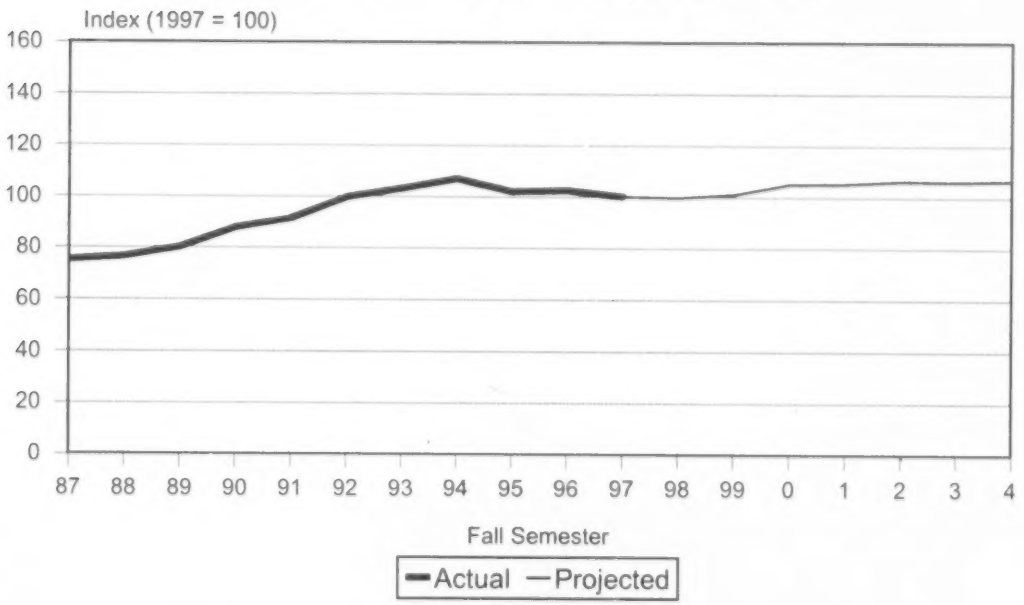

Figure 11
Enrollment index - Kaua'i

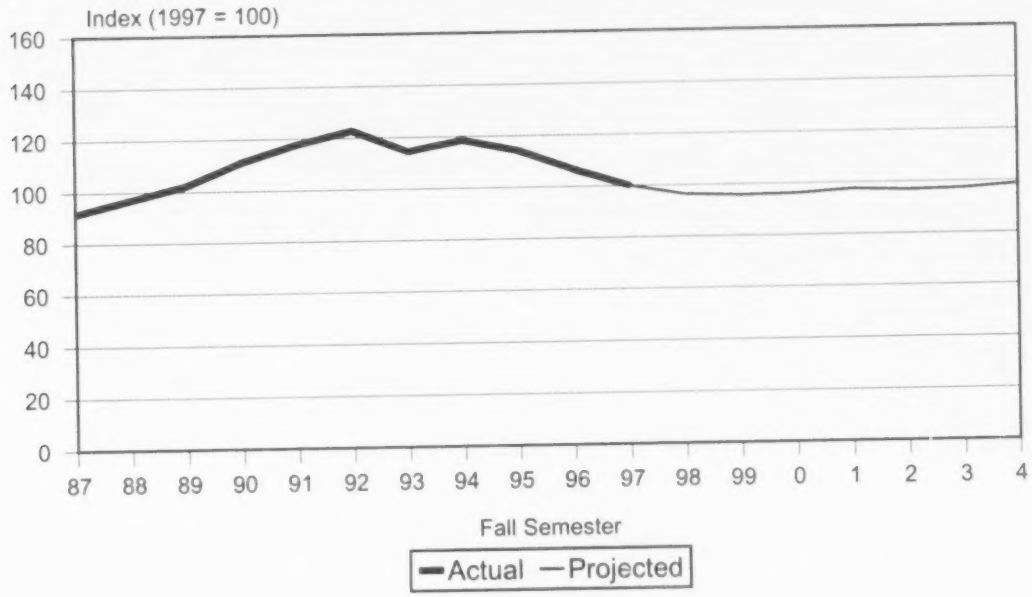

Figure 12
Enrollment Index - Leeward CC

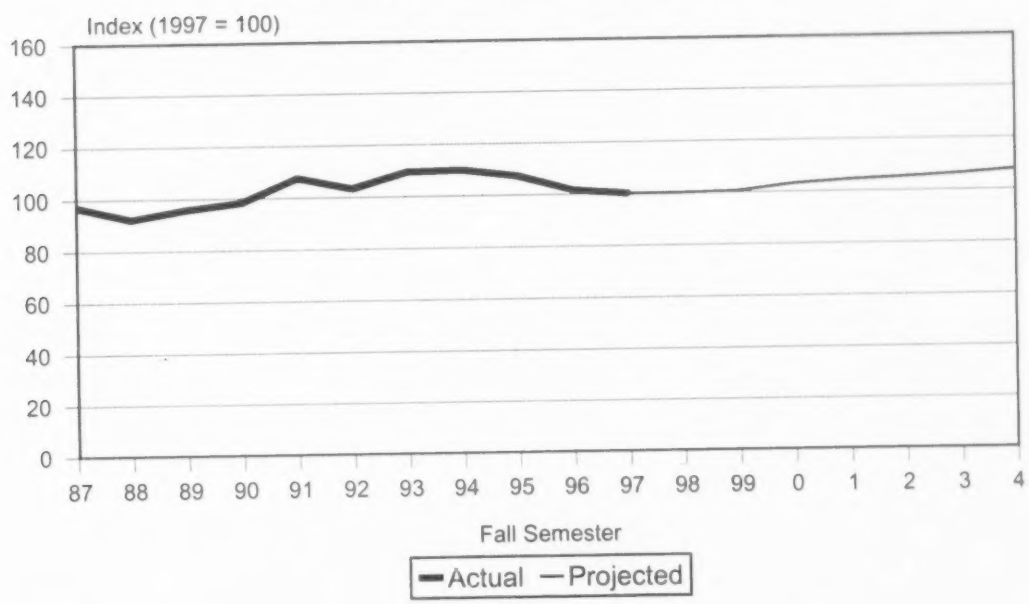

Figure 13
Enrollment index - Maui CC

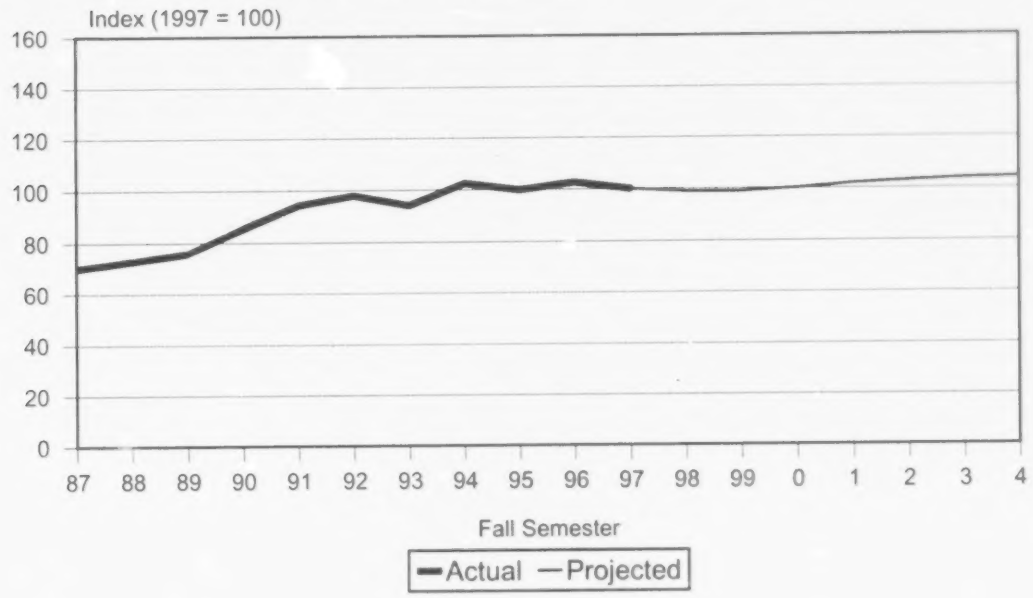

Figure 14
Enrollment Index - Windward CC

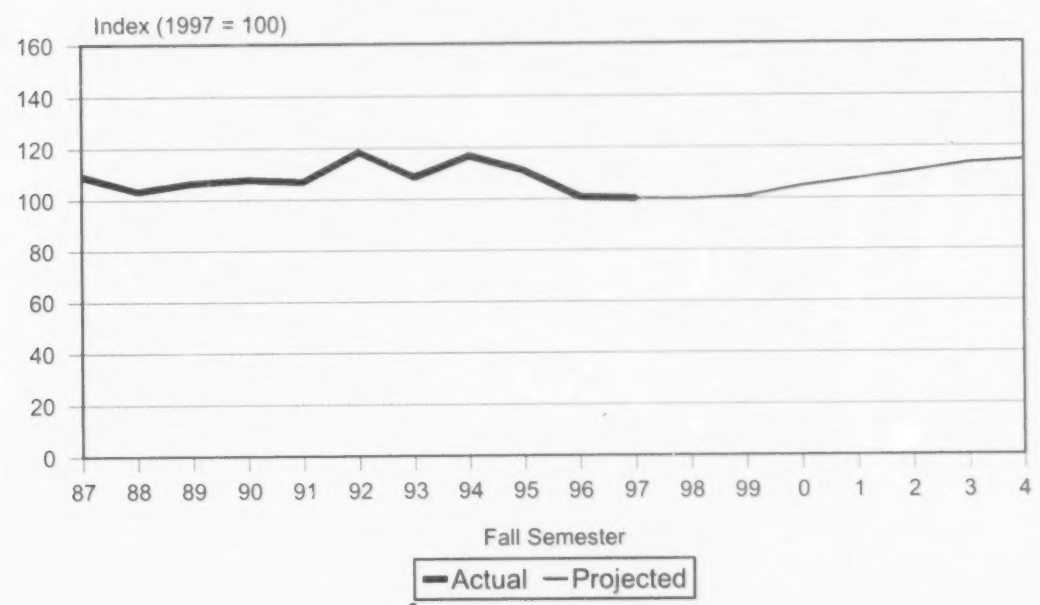

TABLE 1
HEADCOUNT ENROLLMENT OF REGULAR STUDENTS
UNIVERSITY OF HAWAI'I
FALL 1991 TO FALL 2004

CAMPUS	ACTUAL							PROJECTED						
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	47,527	49,412	50,229	51,380	49,895	47,075	45,251	45,026	45,213	46,293	46,817	47,254	47,521	47,846
UH AT MANOA	19,316	19,810	20,037	19,983	19,757	18,232	17,353	17,285	17,286	17,596	17,715	17,866	17,988	18,135
UH AT HILO	2,670	2,790	2,953	2,870	2,737	2,723	2,587	2,576	2,579	2,628	2,732	2,772	2,776	2,766
UH - WEST O'AHU	667	692	676	744	716	648	648	650	656	664	675	686	696	708
UH COMMUNITY COLLEGES	24,874	26,120	26,563	27,783	26,685	25,472	24,663	24,515	24,692	25,405	25,695	25,930	26,061	26,237
Hawai'i Community College	1,847	2,106	2,348	2,762	2,780	2,416	2,168	2,127	2,140	2,198	2,256	2,259	2,243	2,233
Honolulu Community College	4,462	4,767	4,740	4,817	4,429	4,062	3,921	3,915	3,959	4,095	4,125	4,163	4,176	4,205
Kapi'olani Community College	6,526	7,116	7,356	7,639	7,283	7,319	7,143	7,116	7,212	7,493	7,510	7,587	7,580	7,609
Kaua'i Community College	1,496	1,563	1,457	1,507	1,452	1,356	1,272	1,228	1,219	1,221	1,239	1,232	1,238	1,256
Leeward Community College	6,343	6,098	6,449	6,486	6,330	5,987	5,907	5,905	5,923	6,073	6,153	6,206	6,268	6,351
Maui Community College	2,589	2,688	2,578	2,809	2,740	2,815	2,744	2,719	2,720	2,746	2,792	2,823	2,848	2,857
Windward Community College	1,611	1,782	1,635	1,763	1,671	1,517	1,508	1,505	1,519	1,579	1,620	1,660	1,708	1,726

TABLE 2
ANNUAL PERCENTAGE CHANGE
HEADCOUNT ENROLLMENT OF REGULAR STUDENTS
UNIVERSITY OF HAWAI'I
FALL 1991 TO FALL 2004

	ACTUAL							PROJECTED						
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	3.9	4.0	1.7	2.3	-2.9	-5.7	-3.9	-0.5	0.4	2.4	1.1	0.9	0.6	0.7
UH AT MANOA	2.7	2.6	1.1	-0.3	-1.1	-7.7	-4.8	-0.4	0.0	1.8	0.7	0.9	0.7	0.8
UH AT HILO	4.6	4.5	5.8	-2.8	-4.6	-0.5	-5.0	-0.4	0.1	1.9	4.0	1.5	0.1	-0.4
UH - WEST O'AHU	2.3	3.7	-2.3	10.1	-3.8	-9.5	0.0	0.3	0.9	1.2	1.7	1.6	1.5	1.7
UH COMMUNITY COLLEGES ...	4.8	5.0	1.7	4.6	-4.0	-4.5	-3.2	-0.6	0.7	2.9	1.1	0.9	0.5	0.7
Hawai'i Community College	-2.6	14.0	11.5	17.6	0.7	-13.1	-10.3	-1.9	0.6	2.7	2.6	0.1	-0.7	-0.4
Honolulu Community College ..	1.9	6.8	-0.6	1.6	-8.1	-8.3	-3.5	-0.2	1.1	3.4	0.7	0.9	0.3	0.7
Kapi'olani Community College	4.0	9.0	3.4	3.8	-4.7	0.5	-2.4	-0.4	1.3	3.9	0.2	1.0	-0.1	0.4
Kaua'i Community College	5.9	4.5	-6.8	3.4	-3.6	-6.6	-6.2	-3.5	-0.7	0.2	1.5	-0.6	0.5	1.5
Leeward Community College ..	9.3	-3.9	5.8	0.6	-2.4	-5.4	-1.3	0.0	0.3	2.5	1.3	0.9	1.0	1.3
Maui Community College	10.8	3.8	-4.1	9.0	-2.5	2.7	-2.5	-0.9	0.0	1.0	1.7	1.1	0.9	0.3
Windward Community College	-0.7	10.6	-8.2	7.8	-5.2	-9.2	-0.6	-0.2	0.9	3.9	2.6	2.5	2.9	1.1

TABLE 3
ENROLLMENT INDEX
HEADCOUNT ENROLLMENT OF REGULAR STUDENTS
UNIVERSITY OF HAWAI'I
FALL 1991 TO FALL 2004

	ACTUAL							PROJECTED						
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	105	109	111	114	110	104	100	100	100	102	103	104	105	106
UH AT MANOA	111	114	115	115	114	105	100	100	100	101	102	103	104	105
UH AT HILO	103	108	114	111	106	105	100	100	100	102	106	107	107	107
UH - WEST O'AHU	103	107	104	115	110	100	100	100	101	102	104	106	107	109
UH COMMUNITY COLLEGES	101	106	108	113	108	103	100	99	100	103	104	105	106	106
Hawai'i Community College	85	97	108	127	128	111	100	98	99	101	104	104	103	103
Honolulu Community College	114	122	121	123	113	104	100	100	101	104	105	106	107	107
Kapi'olani Community College	91	100	103	107	102	102	100	100	101	105	105	106	106	107
Kaua'i Community College	118	123	115	118	114	107	100	97	96	96	97	97	97	99
Leeward Community College	107	103	109	110	107	101	100	100	100	103	104	105	106	108
Maui Community College	94	98	94	102	100	103	100	99	99	100	102	103	104	104
Windward Community College	107	118	108	117	111	101	100	100	101	105	107	110	113	114

Note: Fall 1997 = 100.

TABLE 4
STUDENT SEMESTER HOURS OFFERED
UNIVERSITY OF HAWAI'I
FALL 1997 TO FALL 2004

	ACTUAL	PROJECTED						
	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	463,648	461,774	463,780	474,698	480,289	484,767	487,472	490,702
UH AT MANOA	197,732	197,089	197,221	200,827	202,184	203,863	205,260	206,934
UH AT HILO	32,349	32,198	32,264	32,923	34,287	34,802	34,838	34,706
UH - WEST O'AHU	5,887	5,904	5,957	6,031	6,130	6,229	6,321	6,430
UH COMMUNITY COLLEGES	227,680	226,583	228,338	234,917	237,688	239,873	241,053	242,632
Hawai'i Community College	23,799	23,316	23,424	24,032	24,651	24,682	24,512	24,397
Honolulu Community College	36,387	36,392	36,835	38,106	38,400	38,759	38,893	39,164
Kapi'olani Community College	63,929	63,804	64,721	67,250	67,446	68,153	68,117	68,384
Kaua'i Community College	12,099	11,853	11,838	11,898	12,074	12,055	12,099	12,251
Leeward Community College	54,332	54,331	54,500	55,868	56,608	57,101	57,669	58,426
Maui Community College	23,788	23,552	23,549	23,759	24,142	24,401	24,618	24,700
Windward Community College	13,346	13,335	13,471	14,004	14,367	14,722	15,145	15,310

TABLE 5
FULL-TIME EQUIVALENT COURSE ENROLLMENT SERVED
UNIVERSITY OF HAWAI'I
FALL 1997 TO FALL 2004

	ACTUAL	PROJECTED						
	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	31,450	31,332	31,476	32,212	32,589	32,891	33,070	33,300
UH AT MANOA	13,734	13,690	13,702	13,954	14,048	14,164	14,260	14,380
UH AT HILO	2,155	2,145	2,153	2,195	2,288	2,322	2,322	2,315
UH - WEST O'AHU	393	393	397	402	409	415	421	428
UH COMMUNITY COLLEGES	15,168	15,104	15,224	15,661	15,844	15,990	16,067	16,177
Hawai'i Community College	1,584	1,554	1,562	1,603	1,643	1,646	1,634	1,627
Honolulu Community College	2,426	2,426	2,456	2,541	2,559	2,584	2,592	2,612
Kapi'olani Community College	4,260	4,253	4,314	4,483	4,495	4,544	4,542	4,559
Kaua'i Community College	803	789	790	793	805	802	805	816
Leeward Community College	3,621	3,622	3,633	3,724	3,775	3,806	3,843	3,895
Maui Community College	1,584	1,571	1,571	1,584	1,609	1,627	1,642	1,647
Windward Community College	890	889	898	933	958	981	1,009	1,021

TABLE 6
HEADCOUNT ENROLLMENT OF REGULAR STUDENTS, BY ATTENDANCE STATUS
UNIVERSITY OF HAWAI'I
FALL 1997 TO FALL 2004

	ACTUAL 1/	PROJECTED						
	1997	1998	1999	2000	2001	2002	2003	2004
UH SYSTEM TOTAL	45,251	45,026	45,213	46,293	46,817	47,254	47,521	47,846
Full-Time	25,623	25,376	25,489	26,096	26,378	26,593	26,715	26,868
Part-Time	19,628	19,650	19,724	20,197	20,439	20,661	20,806	20,978
UH AT MANOA	17,353	17,285	17,286	17,596	17,715	17,866	17,988	18,135
Full-Time	12,572	12,371	12,372	12,594	12,679	12,787	12,875	12,980
Part-Time	4,781	4,914	4,914	5,002	5,036	5,079	5,113	5,155
UH AT HILO	2,587	2,576	2,579	2,628	2,732	2,772	2,776	2,766
Full-Time	2,022	2,039	2,066	2,131	2,189	2,194	2,170	2,135
Part-Time	565	537	513	497	543	578	606	631
UH - WEST O'AHU	648	650	656	664	675	686	696	708
Full-Time	271	279	290	301	306	311	316	321
Part-Time	377	371	366	363	369	375	380	387
UH COMMUNITY COLLEGES	24,663	24,515	24,692	25,405	25,695	25,930	26,061	26,237
Full-Time	10,758	10,687	10,761	11,070	11,204	11,301	11,354	11,432
Part-Time	13,905	13,828	13,931	14,335	14,491	14,629	14,707	14,805
Hawai'i Community College	2,168	2,127	2,140	2,198	2,256	2,259	2,243	2,233
Full-Time	1,287	1,263	1,270	1,305	1,339	1,341	1,332	1,326
Part-Time	881	864	870	893	917	918	911	907
Honolulu Community College	3,921	3,915	3,959	4,095	4,125	4,163	4,176	4,205
Full-Time	1,665	1,662	1,681	1,739	1,752	1,768	1,773	1,786
Part-Time	2,256	2,253	2,278	2,356	2,373	2,395	2,403	2,419
Kapi'olani Community College	7,143	7,116	7,212	7,493	7,510	7,587	7,580	7,609
Full-Time	2,801	2,790	2,828	2,938	2,945	2,975	2,972	2,984
Part-Time	4,342	4,326	4,384	4,555	4,565	4,612	4,608	4,625
Kaua'i Community College	1,272	1,228	1,219	1,221	1,239	1,232	1,238	1,256
Full-Time	594	573	569	570	579	575	578	587
Part-Time	678	655	650	651	660	657	660	669
Leeward Community College	5,907	5,905	5,923	6,073	6,153	6,206	6,268	6,351
Full-Time	2,740	2,739	2,747	2,817	2,854	2,879	2,907	2,946
Part-Time	3,167	3,166	3,176	3,256	3,299	3,327	3,361	3,405
Maui Community College	2,744	2,719	2,720	2,746	2,792	2,823	2,848	2,857
Full-Time	1,059	1,049	1,050	1,060	1,078	1,089	1,099	1,103
Part-Time	1,685	1,670	1,670	1,686	1,714	1,734	1,749	1,754
Windward Community College	1,508	1,505	1,519	1,579	1,620	1,660	1,708	1,726
Full-Time	612	611	616	641	657	674	693	700
Part-Time	896	894	903	938	963	986	1,015	1,026

1/ "No Data" on Attendance Status is included with part-time.